Risk of Lake Mead < 1,020’

Full Hydrology (1906-2015)

- **2007 Projections**
  - (1906-2005 hydrology)
  - **No DCP**
    - (April 2018 Projections)
  - **With DCP**
    - (April 2018 Projections with Upper & Lower Basin DCPs & Binational WSCP)

Stress Test Hydrology (1988-2015)

- **2007 Projections**
  - (1906-2005 hydrology)
  - **No DCP**
    - (April 2018 Projections)
  - **With DCP**
    - (April 2018 Projections with Upper & Lower Basin DCPs & Binational WSCP)

RECLAMATION
Managing Water in the West
# 2007 Interim Guidelines Shortage Reductions and Incremental DCP Contributions

<table>
<thead>
<tr>
<th>Lake Mead Elevation</th>
<th>AZ 2007</th>
<th>AZ DCP</th>
<th>AZ TOTAL</th>
<th>NV 2007</th>
<th>NV DCP</th>
<th>NV TOTAL</th>
<th>CA 2007</th>
<th>CA DCP</th>
<th>CA TOTAL</th>
<th>BOR DCP</th>
<th>MX Min 323</th>
<th>MX BWSCP</th>
<th>MX Total</th>
<th>TOTAL</th>
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<tr>
<td>≤1090 &gt;1075</td>
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<td>192K</td>
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<td>8K</td>
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<td>0</td>
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<td>41k</td>
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<td>30k</td>
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<td>76k</td>
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<td>17K</td>
<td>10K</td>
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<td>84k</td>
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<td>275k</td>
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AZ LBDCP Mitigation Program Summary – Anticipated Deliveries Improved Hydrology 2020

**Ag Pool**
- 2020: 75% or ~230 KAF
- 2021: 105 KAF Tier 1
- 2022: 105 KAF Tier 1
- 2023: 70 KAF Tier 2a/2b
- 2024: 70 KAF Tier 2a/2b
- 2025: No CAP Wet Water Mitigation
- 2026: Groundwater Infrastructure Program 70 KAF/Yr

**NIA Pool**
- 2020: 100% or ~203 KAF
- 2021: 100% Tier 1/2a/2b
- 2022: 100% Tier 1/2a/2b
- 2023: 75% Tier 1/2a/2b
- 2024: 75% Tier 1/2a/2b
- 2025: 50% Tier 1/2a/2b
- 2026: No Mitigation 2026 or Tier 3

No shortage
AZ LBDCP Mitigation Program
Summary – Resources

- Phoenix AMA USF-GSF ~46.5 KAF/Yr
  - Tier 1 or Tier 2a only
- Tucson AMA GSF 35 KAF/Yr
  - ** Tier 2a/2b
- CAWCD ICS ~400 KAF
  (includes 50 KAF SRP Exchange)
- CAWCD Lake Pleasant ~50 KAF
- CAWCD Operational Supplies ~30 KAF
- CAWCD $60 Million for Compensated Mitigation
  or acquisition of additional wet water mitigation supplies
Offset Component– Key Terms

- Conserve 400 kaf to offset use of CAP ICS
- Offsets provided through:
  - 100 kaf US-GRIC ICS
    - Pre-firming for US Tribal firming obligation
  - 50 kaf AWBA-GRIC ICS
    - Pre-firming for Arizona’s AWSA firming obligation
  - 150 kaf System Conservation
  - 50 kaf Additional Tribal ICS
  - 50 kaf - CAP-SRP Exchange payback
  - May increase Lake Mead elevation
To direct the Secretary of the Interior to execute and carry out agreements concerning Colorado River Drought Contingency Management and Operations, and for other purposes. Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, SECTION 1. SHORT TITLE. This Act may be cited as the “Colorado River Drought Contingency Plan Authorization Act”. SEC. 2. COLORADO RIVER BASIN DROUGHT CONTINGENCY PLANS. (a) IN GENERAL.—Notwithstanding any other provision of law expressly addressing the operation of the applicable Colorado River System reservoirs, immediately upon execution of the March 19, 2019, versions of the Agreement Concerning Colorado River Drought Contingency Management and Operations and the agreements attached thereto as Attachments A1, A2, and B, by all of the non-Federal parties thereto, the Secretary of the Interior shall, without delay, execute such agreements, and is directed and authorized to carry out the provisions of such agreements and operate applicable Colorado River System reservoirs accordingly. (b) EFFECT.—Nothing in this section shall— (1) be construed or interpreted as precedent for the litigation of, or as altering, affecting, or being deemed as a congressional determination regarding, the water rights of the United States, any Indian Tribe, band, or community, any State or political subdivision or district of a State, or any person; or (2) exempt the implementation of such agreements and the operation of applicable Colorado River System reservoirs from any requirements of applicable Federal environmental laws.
Upper Colorado River Basin Snotel Tracking
Aggregate of 104 Snotel Sites in the Upper Colorado River Basin

On 04/12/2019 103 of 103 sites

As of this date the NRCS is reporting the basin-wide SWE is 133 percent of the basin-wide median SWE (inches).

Data Provided by the Natural Resource Conservation Service (NRCS)
Colorado River April 24-Month Study

Lake Mead End of Month Elevations
Projections from the April 2019 24-Month Study Inflow Scenarios

- Surplus Conditions: 1,146 ft and above
- Normal Condition: 1,075 to 1,146 ft
- Level 1 Shortage Condition: 1,060 to 1,075 ft
- Level 2 Shortage Condition: 1,025 to 1,060 ft
- Level 3 Shortage Condition: 1,025 ft and below

Most Probable End of CY 2020
Projection: 1,079.6 feet (38% full)
Min/Max Range: 1,068 to 1,122 feet

Most Probable End of CY 2019
Projection: 1,084.3 feet (40% full)
Min/Max Range: 1,083 to 1,085 feet

April 2019 Probable Maximum Inflow with a Lake Powell release of 9.00 maf in WY 2019 and 12.84 in WY 2020
April 2019 Most Probable Inflow with a Lake Powell release of 9.00 maf in WY 2019 and WY 2020
April 2019 Probable Minimum Inflow with a Lake Powell release of 9.00 maf in WY 2019 and 8.72 maf in WY 2020

Historical Elevations